



HILLSIDE PRIMARY SCHOOL
PRE-REGISTRATION EXAMINATIONS
2024
ENGLISH (SET FOUR)

Time Allowed: 2 Hours 15 Minutes

NAME.....

STREAM..... DATE.....

Read the following instructions carefully

1. The paper has two sections: A and B.
2. Answer all questions. All answers to both sections A and B must be written in the spaces provided.
3. All answers must be written using a blue or black ball-point pen or fountain pen.
4. Unnecessary changes of work may lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in boxes indicated: "For Examiners' Use Only" and those inside the paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' NO
1-10		
11-20		
21-30		
31-40		
41-50		
51		
52		
53		
54		
55		
TOTAL		

SECTION A: 50 MARKS

Sub-section I

Questions 1 to 50 carry one mark each

In each questions 1-10, use the correct form of the given words in brackets to complete the sentences.

1. Doreen's mother has birth to a baby girl. (give)
2. We have completed the topic about media. (electron)
3. The mourners from Kampala ate the 'katogo'. (greed)
4. The managers normally consider written application letters. (good)
5. Three were sent to our examination centre. (invigilate)
6. There are no TV programmes after 11:00 p.m. (educate)
7. Rose wrote the application letter to the director. (self)
8. It is the children's right to associate with others. (free)
9. By the time my mum came back, the technician the television. (repair)
10. The village chief married the girl in the village. (beauty)

For questions 11-15, fill the blanks with the most suitable word or group of words.

11. The has not completed making the head teacher's desk.
12. I don't know divorce is too much nowadays.
13. a wonderful wedding ceremony Noah and Jane had!
14. She failed the interview of the fact that she was bright.
15. Our headmaster did not attend the burial and my father.

For questions 16-17, arrange the given words in dictionary order.

16. successor, success , succeed , successful

.....
.....
.....

17. tight, might, sight, light

.....
.....
.....

In questions 18 and 20, rewrite the sentences giving the opposite of the underlined word.

18. Harriet will soon introduce her husband-to-be to her parents.

.....
.....
.....

19. The maids had natural hair.

.....
.....
.....

20. All the residents agreed to protect the environment.

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.....

For questions 21 and 22, use the given words in sentences to show that you know the difference in their meanings.

21. he's

.....
.....
.....

22. his

.....
.....
.....

For questions 23 – 25, rewrite the sentences using the plural form of the underlined words.

23. I greeted the lady I met at the wedding reception.

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.....
.....

24. During the holidays, I used to play with the child's doll.

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.....
.....

25. In P.3, we learnt how a mouse spreads diseases.

.....
.....
.....

For questions 26 – 27, write the given abbreviations in full.

26. R.I.P.

27. DVD

For question 28, re-arrange the words to form a correct sentence.

28. patches the with street a wore child shirt

.....
.....
.....

For questions 29 - 30, rewrite the sentences giving one word for the underlined group of words.

29. The child whose parents died has fallen sick.

.....
.....
.....

30. During the period when school children do not attend school, parents are a bit relaxed.

.....
.....
.....

Sub-section II:

For questions 31-50, rewrite the sentences as instructed in the brackets.

31. We are very honest. We cannot cheat. (Join using ...so....that.....)

.....
.....

32. The mob saw the police officers. The mob ran away. (Begin: On seeing.....)

.....
.....

33. My mother carried the television without any help. (Rewrite using 'self')

.....
.....

34. The men have been cutting trees since last week. (Rewrite ending;a week.)

.....
.....

35. The headmaster will address candidates tomorrow. The deputy headmaster will address candidates tomorrow. (Join beginning: Either)

.....
.....

36. The papers have reported many cases of child abuse. (Rewrite beginning:

Many.....)

.....
.....

37. It is not necessary for the technician to cheat his customers.

(Rewrite the sentence usingneed not)

.....
.....

38. P.7 candidates need counselling. (Beginning: What

.....
.....
.....

39. The neglected boy was very weak. He could not stand upright. (Join using
.....tooto.....)

.....
.....
.....

40. All the people in the village fell sick because the water was contaminated.
(Rewrite usingso.....)

.....
.....
.....

41. A lion feeds on flesh. A leopard feeds on flesh. (Begin: Both

.....
.....
.....

42. The house was very good. We slept in it. (Join usingwhich.....)

.....
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43. That boy is a thief. He is also undisciplined. (Rewrite beginning: Not only
.....)

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44. "My class is doing a test now," said the teacher. (Begin: The teacher said
that.....)

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.....

45. Immediately the reverend arrived, all the mourners stood up. (Begin: No sooner.....)

.....
.....

46. We last had electricity three months ago. (Rewrite using.....for.....)

.....
.....

47. When I finished serving the guests, I went to church. (Rewrite using....after....)

.....
.....

48. He attended a good school. He does not know any traffic rule.
(Begin: In spite of.....)

.....
.....

49. Mummy did not weave the groom's hat. She did not get any money.
(Begin: Had

.....
.....

50. I like your compound. It is very clean. (Join using; ...due to.....)

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SECTION B (50 Marks)

51. Read the passage below carefully and answer, in full sentences, the questions that follow.

In 2015, my father advised me to start an income generating project. He told me that the incomes from the project would help me to buy my necessities like clothes, shoes and many others. He also did not stop at giving me advise but gave me some capital of one hundred thousand shillings.

When I got the capital, I first kept it aside. I then decide not to use this money to build a shelter. I built the shelter by myself using local materials. I got the money and bought four kids. I fed them using local feeds. By the end of the year, they had grown and produced other kids. I sold the kids and earned three hundred thousand shillings. I used some of the money to buy a pair of shoes and a belt. I opened an account with Centenary Bank and started my money there. This has strengthened my saving culture.

Whenever I earn some money, I spend it so sparingly that I leave some to deposit in my account. With my savings, I am planning to expand my project. The expansion of the project will force me to get some employees to help me.

Questions;

(a) When was the writer advised to start an income generating project?

.....
.....

(b) How did the writer's father support him to start the project?

.....
.....

(c) Who helped the writer to build a shelter?

.....
.....

(d) How much did the writer buy each kid?

.....
.....

(e) What did the writer buy after selling his kids?

.....
.....

(f) Why did the writer open a Bank account?

.....
.....

(g) Why does the writer spend earnings sparingly?

.....
.....

(h) Give a word or group of words which mean the same as the underlined word in
the passage.

i) necessities

ii) earned

(i) How will some people benefit from the writer's expansion of his project?

.....
.....

52. The following sentences are in a wrong order. Rewrite them correctly to form a short composition about I got a pen pal.

- (a) I bought one titled "People and Places."
 - (b) When I look at these photographs, I become very happy.
 - (c) I, too, wanted an American pen pal.
 - (d) Recently, he wrote to me saying that he received my letter.
 - (e) I came across a vendor selling magazines.
 - (f) In his letter, he sent me his two photographs.
 - (g) It was written by an American wanting a Ugandan pen pal.
 - (h) Last year, I was travelling along Kampala Road.
 - (i) When I opened it, I came across an article.
 - (j) I, therefore, wrote to him accepting to be his pen pal.
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53. Read the poem below carefully and answer, in full sentences, the questions that follow.

I admire you, Sir
The way you do your work
At your garage,
You show your skills on the job.

A toolbox is beside you
Containing the equipment, you use
Though you put on a dirty overall,
I admire your job.

You repair heavy and light vehicles
Sit on the cab comfortably
And start driving; vrooooooomm.....
Testing if the vehicle was properly repaired.

In my P.7 long vacation,
I beg to come to your garage,
And you teach me how to repair vehicles.
As well as how to drive.

Questions;

a) Where does the mechanic work?

.....
.....

b) What is at the side of the mechanic?

.....
.....

c) What does the writer admire?

.....
.....
.....

d) What is a driver's seat in a vehicle called?

.....
.....
.....

e) According to the third stanza, why does a mechanic drive the vehicle?

.....
.....
.....

f) When does the writer wish to learn how to drive?

.....
.....
.....

g) How many stanzas are in the poem?

.....
.....
.....

h) Give a word or a group of words which means the same as each of the underlined words.

i) equipment.....

(ii) admire.....

54. The notice below appeared in Matex newspaper of 20th February, 2024. Read it carefully and answer the questions that follow in full sentences.



SEMINAR SEMINAR SEMINAR

THEME: PROPER USE OF INTERNET

DATE: 15th March, 2024

VENUE: Nsambya Sharing hall

FEE: Shs.50,000

TIME: 9:00a.m. - 4:00p.m.

FACILITATOR: Mr. Batwala Dan (manager Josh ICT)

AGE GROUP: 16-20 years

Come and learn how to use internet

By: Tusabe Emma Secretary- National Youth Council International)

Questions

a) In which newspaper did the notice appear?

.....
.....

b) What is the notice about

.....
.....

c) How much will three students pay?

.....
.....

d) When will the seminar take place?

.....
.....

e) Who will facilitate the seminar?

.....
.....

f) What is the facilitator?

.....
.....

g) How long will the seminar last?

.....
.....

h) Who has written the noticed?

.....
.....

i) Where will the seminar take place?

.....
.....

j) Which people should attend the seminar?

.....
.....

55. Your school has organized a concert at the end of the term . Write a letter to one of your parents inviting him or her to attend. In your letter indicate the date, the venue and the time the concert will take place. Also inform your parent the activities you are participating in (Use your school address)
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HILLSIDE PRIMARY SCHOOL
PRE REGISTRATION EXAMINATIONS
2024
INTEGRATED SCIENCE (SET FOUR)

Time Allowed: 2 Hours 15 Minutes

Name.....

Date

Stream.....

Read the following instructions carefully

1. The paper has **two** sections: **A** and **B**.
Section A has 40 questions and Section B has 15 questions
2. Answer **all** questions. All answers to both sections **A** and **B** must be written in the spaces provided.
3. All answers must be written using a blue or black ball-point pen or fountain pen. Any work written in pencil other than graphs and diagrams will not be marked
4. Unnecessary changes in work may lead to loss of marks.
5. Any handwriting that cannot easily be read may lead to loss of marks.
6. Do not fill anything in boxes indicated: "**For Examiners' Use Only**" and those inside the paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' NO
1-10		
11-20		
21-30		
31-40		
41- 43		
44- 46		
47- 49		
50- 52		
53- 55		
TOTAL		

SECTION A

1. Name any **one** example of a beast of burden.
.....
.....
2. Give any **one** way water can be made safe for drinking.
.....
.....
3. Why do gases expand more than other states of matter?
.....
.....
4. Identify any **one** plant with root nodules.
.....
.....
5. What is the advantage of using alcohol over mercury in thermometers?
.....
.....
6. Mention **one** principle of Primary Health Care.
.....
.....
7. How can a primary seven child make use of banana fibres?
.....
.....

8. Why should the babies be fed on foods rich in proteins?

.....
.....

9. Write **SARS** in full as used in respiratory diseases.

.....

10. Name the blood vessel that carries deoxygenated blood from the heart to the lungs.

.....

11. Name **one** item that you a P.7 child can make to carry a casualty to the nearest health centre.

.....
.....

12. Mention any **one** childhood immunisable disease.

.....

13. Why are people advised to perform regular physical exercises?

.....
.....

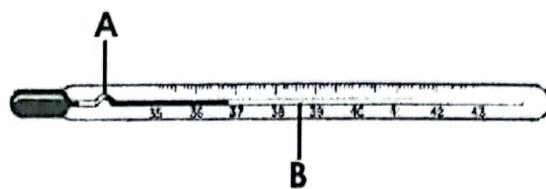
14. State the importance of vitamin D in the body?

.....
.....

15. How can you help your friend to stop the habit of smoking?

.....

The diagram below shows a clinical thermometer. Use it to answer the questions 16 and 17.



16. Name part marked with letter B.

.....

17. State the function of part marked with letter A.

.....

.....

18. How do plants help to reduce the effect of global warming?

.....

.....

19. State the importance of the ossicles in the human ear.

.....

.....

20. State any one function of the ovaries in a woman.

.....

.....

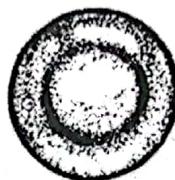
21. What do we call the study of fungi?

.....

.....

22. Why are we advised to chew food properly before swallowing it?
-
.....

The diagram below shows a blood cell. Use it to answer the question 23 and 24.



23. Name the blood cell shown above.

.....
.....

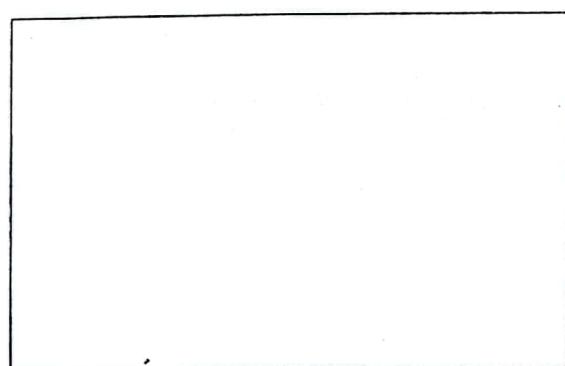
24. How is the blood cell above adapted to its function?

.....
.....

25. What happens to the ribcage during exhalation?

.....

26. In the space below, draw an illustration of hypogaeal germination.



27. At what age is measles vaccine administered to a baby?

.....

28. How is the function of the anthers of a flower different from that of a stigma?

.....

.....

.....

29. Mention any one disease that attacks both rabbits and poultry.

.....

30. Why should a living house have proper ventilation?

.....

.....

31. Which clouds are the furthest in the sky?

.....

32. State the importance of windows on a house.

.....

.....

33. Which type of skeleton do snakes have?

.....

34. State one reason a farmer should keep farm records?

.....
.....

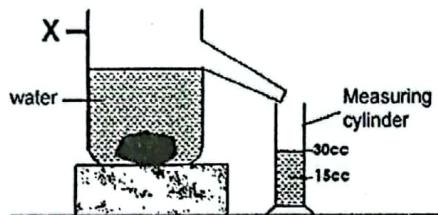
35. Name the vector that spreads malaria.

.....
.....

36. State one effect of heat on matter.

.....
.....

37. What is the volume of the object below?



38. What is air?

.....

39. State any one physical difference between arachnids and insects.

.....

.....

40. Of what importance is a spring balance in the process of measurement?

.....

.....

SECTION B

41(a) what is meant by the term skeleton?

.....
.....

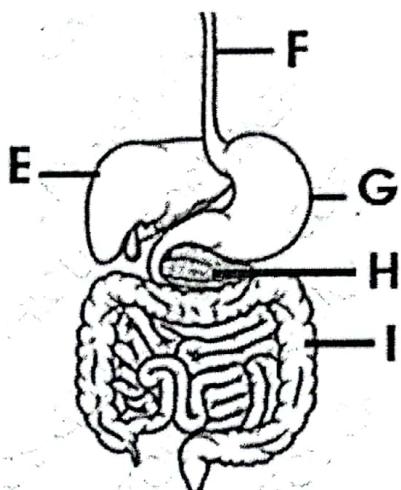
(b) State any two functions of the skeleton.

- (i).....
(ii).....

(c) Name the longest bone in the human body.

.....
.....

42 . The diagram below is of the digestive system of a human being. Use it to answer the questions that follow.



(a) State the function of part F during digestion.

.....
.....

(b) Name the part marked **G**

.....

(c) Mention any one hormone is produced by part **H**?

.....

.....

(d) Give any one disease that affects the above system.

.....

.....

43 (a) Identify any two electronic ways of storing sound.

(i).....

(ii).....

(b) How does the government of Uganda benefit from the music industry?

.....

.....

(c) To which group of musical instruments does a saxophone belong?

.....

44(a) what are energy resources?

.....

.....

(b) Point out any two ways how plants are used as energy resources.

(i).....

.....

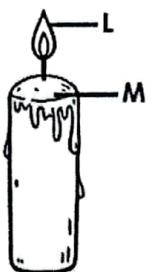
(ii).....

.....

(c) State any one example of wood fuel.

.....

45. The diagram below is of a burning candle. Use it to answer the questions that follow.



(a) Name the part marked L.

.....

(b) What will happen to part M after receiving heat?

.....

(c) Why is burning regarded as a chemical change?

.....

.....

(d) Mention one thing that is needed for burning to take place.

.....

46a) What does the ovary of a flower become after fertilization?

.....

(b) Give two examples of berries.

(i)

(ii)

(c) How is a black jack fruit adapted to its mode of dispersal?

.....
.....

47. The table below shows food deficiency diseases and their causes. Complete it correctly.

Disease	Cause
Anaemia
.....	Lack of Vitamin A
Marasmus
.....	Lack of proteins

48.(a) What is environmental degradation?

.....

.....

(b) Write down any **two** examples of natural disasters.

(i).....

(ii).....

(c) Suggest any **one** measure of controlling environmental degradation.

.....
.....

49(a) Mention any **two** practices that are carried out on a cattle farm.

(i).....

(ii).....

(b) State **two** ways a farmer can control ticks on his farm.

(i).....

(ii).....

50. (a) Name any **two** substances used when preparing ORS at home.

(i).....

(ii).....

(b) Write **ORS** in full.

.....

(c) State any **one** sign of dehydration in babies.

.....

51.(a) Give any two types of thermometers.

(i).....

(ii).....

(c) Convert 10°C to $^{\circ}\text{F}$ **(2 marks)**

.....

52. (a) What is adolescence?

.....
.....

(b) Cite any two secondary sex characteristic changes in girls.

(i).....

(ii).....

**(c) What advice can you give to your friend to protect
himself/herself against HIV/AIDS?**

.....
.....

53. Match list A to list B correctly.

A	B
(i) Mesenteric artery	Liver
(ii) Femoral artery	Leg
(iii) Hepatic artery	Head
(iv) Carotid artery	Stomach and intestines

- (i) Mesenteric artery.....
- (ii) Femoral artery.....
- (iii) Hepatic artery.....
- (iv) Carotid artery.....

54.(a) Mention any two advantages of breast feeding to a baby.

- (i).....
- (ii).....

(b) Point out any two reasons why people eat food.

- (i).....
- (ii).....

55. Study the diagram below and use it to answer the questions that follow.



(a) What term describes the happening in the diagram above?

.....
.....

(c) Mention any **one** possible cause of the above happening on Ugandan roads.

.....
.....

(c) State any **two** effects of the above happening to a family.

(i).....
(ii).....

GOOD LUCK



HILLSIDE PRIMARY SCHOOL - NAALYA

PRE REGISTRATION EXAMINATION

2024

SOCIAL STUDIES WITH RELIGIOUS EDUCATION (SET FOUR)

Time Allowed: 2 Hours 15 Minutes

NAME:

STREAM:.....

Read the following instructions carefully

1. The paper has **two** sections: **A** and **B**.
2. **All** the working for both sections **A** and **B** must be shown in the spaces provided.
3. **All** working must be done using a **blue** or **black ball-point pen or fountain pen**. Diagrams must be drawn in **pencil**.
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6. Do not fill anything in boxes indicated: "**For Examiners' Use Only**" and those inside the question paper.

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' NO
1-10		
11-20		
21-30		
31-40		
41-43		
44-46		
47-48		
49-51		
52-53		
54-55		
Total		

SECTION A: 40 MARKS

1. Give any one importance of trees in a school compound.

.....

2. Mention any one danger of industries in an area.

.....

3. Give any one reason why people grow crops.

.....

4. State one way in which the local councils help people.

.....

5. How do farmers benefit from agro based industries?

.....

6. How many countries share border with Uganda?

.....

7. What is the meaning of the term **irrigation scheme**?

.....

8. Give one way in which Ugandans sent messages during pre - colonial period.

.....

9. Why do trees in Tropical rain forests grow very tall?

.....

10. Name the map symbol drawn below.



.....
11. State any one function of Judiciary in a democratic country.

.....
12. Why are the Bantu referred to as an ethnic group?

.....
13. Why did Somalia join East African Community?

.....
14. Mention any one example of a renewable resource.

.....
15. How can a country know her total number of people?

.....
16. Why is Savanna vegetation preferred for the conservation of wild
animals?

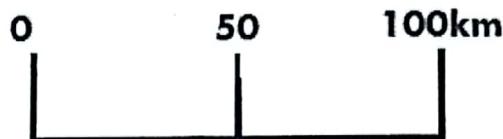
.....
17. Give one characteristic of equatorial climate.

18. Mention any one reason why Europeans came to East Africa.

.....

19. How is the element of a map below important to a map reader?

.....



20. How did the kings and chiefs benefit from slave trade?

.....

21. How is tourism industry important to a country?

.....

22. Give one way in which children's rights are respected.

.....

23. Why are semi desert areas of East Africa sparsely populated?

.....

24. Mention the use a compass direction to a map reader.

.....

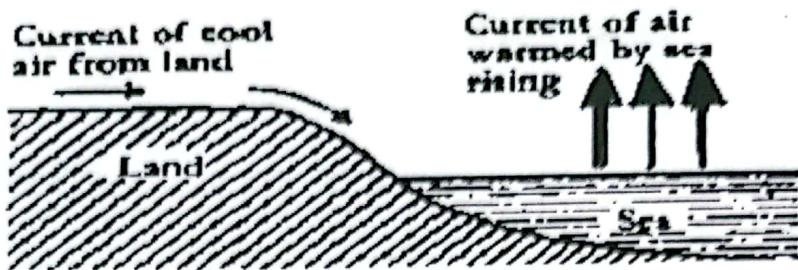
25. How does a country benefit from a dense population?

.....

26. Why did the Lukiiko refuse to send representatives to LEGCO in 1950s?

.....

27. Name the type of breeze drawn below.



28. Give any one way modern communication promotes trade.

29. State any one way of creating more jobs in Uganda.

30. What does black colour on the Uganda National Flag symbolize?

31. How is land important as a natural resource?

32. Why is mining referred to as an industry?

33. How is URA important to the economy of Uganda?

34. Why are areas around Lake Victoria densely populated?

35. Which line of latitude forms Northern and Southern hemispheres?

For questions 36-40, answer either Christianity or Islamic but not both.

36. Either: What did God create on the sixth day?

.....
Or: What did Allah create on the sixth day?

37. Either: What is faith?

.....
Or: What is faith?

38. Either: Why did God send Moses to Egypt?

.....
Or: Why did God send Musa to Misri?

39. Either: What was the sign of God's covenant with Noah?

.....
Or: What sign marks the beginning of fasting during Ramadhan?

40. Either: What do we call the journey to Holy places?

.....
Or: What do we call the journey to Holy places?

SECTION B (60 MARKS)

41. (a) Mention one importance of lines of latitude and longitude.

(b) Write any two lines of latitude on the globe.

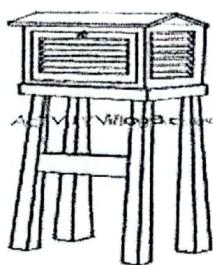
(i).....

(ii).....

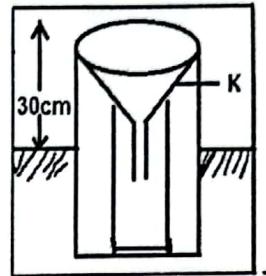
(c) Name the line of longitude on the globe marked 180° .

42. Study the diagrams below and answer questions that follow.

A



B



(a) Name the instrument in diagram A.

(b) Why is the instrument in diagram B put in an open place?

(c) What is the use of the instrument in diagram A?

(d) Name the part labeled K in diagram B.

43. (a) Which type of Administration did the British use in Uganda?

(b) Give one reason why the British colonialists used the type of administration named in 43 (a) above.

(c) How were the following people important in Uganda during colonial rule?

(i) Semei Kakungulu.

.....

(ii) Capt. Frederick Dealytry Lugard.

.....

44. Match the following correctly.

Escarpmen	is a hole formed on the top of volcano.
Horst	is an isolated hill of rock.
Crater	is a steep side of a rift valley.
Inselberg	is the mountain formed by faulting.

(i) Escarpment

(ii) Horst

(iii) Crater

(iv) Inselberg

45. (a) What is population distribution?

.....

.....

(b) State any two factors for population distribution in East Africa.

(i)

(ii)

(c) Give any one advantage of a country with a low population.

.....

46. (a) State any two contributions made by the Bachwezi in Uganda.

(i)

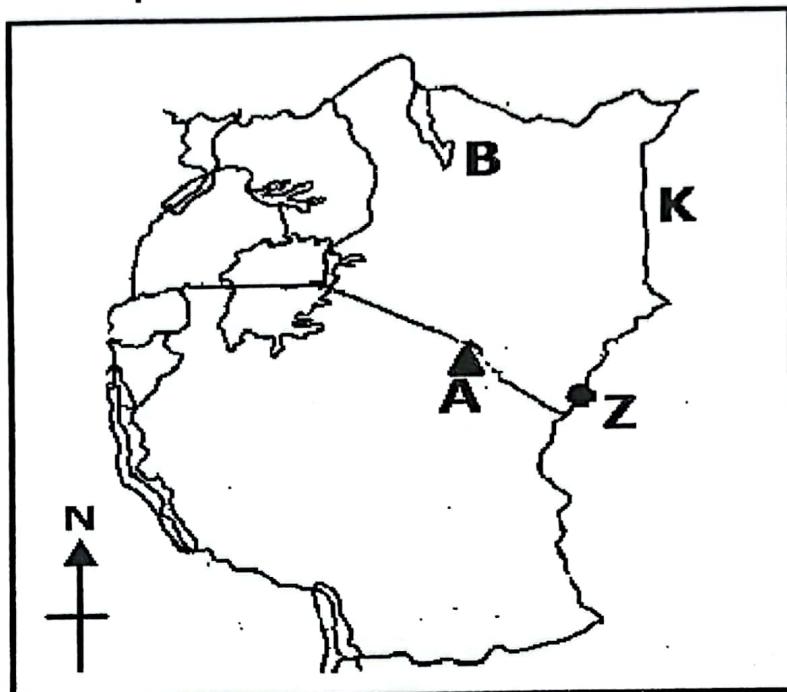
(ii)

(b) Mention any two causes for the fall of Bunyoro – Kitara Empire.

(i)

(ii)

47. Study the map below and answer questions that follow.



(a) Name the country marked K.

.....

(b) What type is Lake marked B?

.....

(c) Name the Seaport marked Z.

.....

(d) How was mountain marked A formed?

.....

48. (a) Give one example of a social service center in Uganda.

.....

b) Identify any two social services needed by people.

(i)

(ii)

c) State one way in which people care for social service centers.

.....

49. a) Give any two ways of conserving natural vegetation.

(i)

(ii)

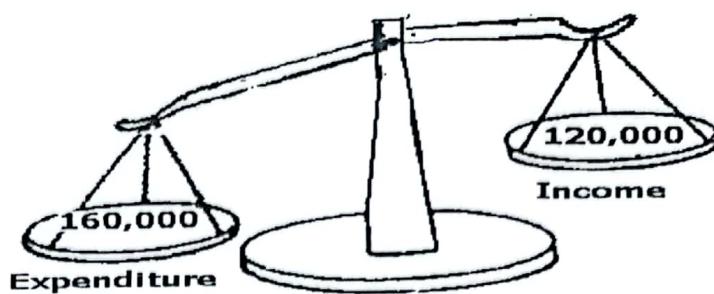
b) State one way in which vegetation influences human activities.

.....

c) Mention any one example of vegetation.

.....

50. Study the diagram below and answer questions that follow.



a) Name the type of budget illustrated above.

.....

b) Give one disadvantage of the budget above.

.....

c) Give two ways in which the budget above can be solved.

i)

ii)

For questions 51 – 55, answer either Christianity or Islamic but not both.

51. Either: a) What is marriage in Christianity?

.....
.....

(b) State two reasons why Christians marry.

(i)

(ii)

(c) State one commandment in the bible that protects marriage.

.....

Or: a) What is Nikkah in Islam?

.....
(b) State two reasons why Moslems marry.

(i)
(ii)

c) Give the maximum number of wives a Moslem man should have.

.....
52. Either: (a) What did God use to create Adam?

.....
(b) Where did Adam and Eve live?

.....
(c) Give one reason why God was annoyed with Adam and Eve.

.....
(d) Mention the first punishment that God gave to Adam and Eve?

Or: (a) What did Allah use to create Adam?

.....
(b) Where did Adam and Hawa live?

.....
(c) Give one reason why God got annoyed with Adam and Hawa.

.....
(d) Mention the first punishment that Allah gave to Adam and Hawa?

53. Either: a) Give one miracle Jesus did to show love to people.

.....

b) Mention any **one** person in the Bible who benefited from the
miracles of Jesus Christ.

.....

c) Mention **one** place in the Bible where Jesus performed a miracle.

.....

d) Give **one** reason why Jesus performed miracles in different places.

.....

Or: a) Give **one** group of people that benefited from Muhammad's
miracles.

b) How did the above group benefit from the miracle?

.....

c) Mention **one** place where Prophet Muhammad performed a miracle.

.....

d) Give **one** reason why Prophet Muhammad made miracles.

.....

54. Either a) In which town was Jesus born?

.....

(b) Name two gifts given to baby Jesus by the three wise men.

(i)

(ii)

(c) From which direction did the three wise men come?

.....

Or: a) Name the last messenger of Allah.

.....

(b) Give two messages the last messenger preached to Muslims.

(i)

(ii)

(c) State one reason why repentance is necessary in a Muslim's life.

.....

55. For All:

a) State two qualities of a good religious leader in the community.

(i)

(ii)

b) State two importance Christian religious leaders in Uganda.

(i)

(ii)

END



HILLSIDE PRIMARY SCHOOL-NAALYA
PRE-REGISTRATION EXAMINATIONS
2024
MATHEMATICS (Set Four)

Time Allowed: 2 Hours 30 Minutes

Name.....

Stream.....

Read the following instructions carefully:

1. The paper has **two** sections: A and B. Section A has 20 questions and section B has 12 questions. The paper has 12 pages altogether.
2. All working for both sections A and B must be shown in the spaces provided
3. All working must be done using a blue or black ball-point pen ink or fountain pen. Any work done in pencils other than graphs and diagrams will **not** be marked.
4. **No calculators** are allowed in the examination room.
5. Unnecessary alterations/changes of work may lead to **loss of marks**.
6. Any handwriting that cannot easily be read may lead to **loss of marks**.
7. Do not fill anything in boxes indicated:
“**For Examiners' Use Only**. “

FOR EXAMINERS' USE ONLY		
Qn. No.	MARKS	EXRS' NO
1-5		
6-10		
11-15		
16-20		
21-22		
23-24		
25-26		
27-28		
29-30		
31-32		
TOTAL		

SECTION A (02 marks each)

1. Work out: $92 + 28$

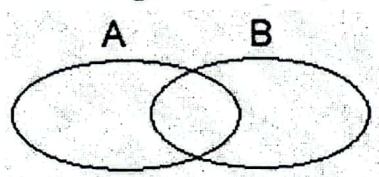
2. Write **40294** in words.

3. Find the next number in the sequence below:

1, 4, 9, 16, 25, _____

4. Simplify: ${}^{\circ}12 - {}^{\circ}7$

5. In the diagram below, shade $(A \cap B)^c$



6. Work out $(9 \times 150) - (50 \times 9)$ using distributive property.

7. How many $\frac{1}{2}$ kg packets of sugar can be got from 7kg?

8. Subtract: $\frac{2}{3} - \frac{1}{4}$

9. Convert 5.4km to metres

10. Using a ruler, a pencil and a pair of compasses only, construct an angle of 120°

11. How many subsets are in a set with 5 elements?

12. Work out $4 - 5 = \underline{\hspace{2cm}}$ (finite 7)

13. Find the Lowest Common Multiple (**LCM**) of 12 and 16.

14. Solve: $7 - 2y = 19$

15. Find the mean of $3k$, $2k+4$ and $k+5$

16. Change 114_{five} to a decimal base.

17. Write 149 in Roman numerals.

18. Simplify: $8p - 4m - 3p + 9m$

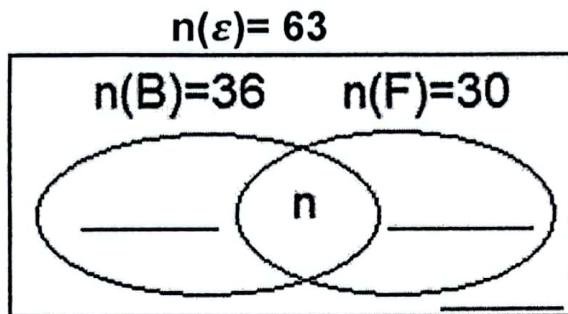
19. An examination started at 7:30am and ended at 10:00am. How long did it take?

20. Find the value of y in $2^{3y} \times 8 = \frac{1}{512}$

SECTION B (60 MARKS)

21. At a birthday party attended by 63 guests, 36 guests ate beef (B), 30 guests ate fish (F), n guests ate both beef and fish while 2 guests did not eat any.

- a) Represent the above information on a Venn diagram. *(03 marks)*



- b) Find the value of n *(02 marks)*

- c) Find the probability of selecting a guest who did not eat fish. *(01 mark)*

22. Given the digits 6, 0, 5 and 2,

- a) Write the smallest 4-digit numeral formed using the digits above
(01 mark)

- b) Form the biggest 4-digit numeral using the digits above.

(01 mark)

- c) Find the sum of the smallest and the biggest numeral formed in (a) and (b) above.
(02 marks)

23. The sum of **three** consecutive even numbers is 60.

- a) Find the numbers.
(04 marks)

- b) Calculate their range.

(01 mark)

24.a) Work out:
$$\begin{array}{r} 2 \ 4 \ 1 \text{ five} \\ + \ 3 \ 2 \text{ five} \\ \hline \end{array}$$

b) Find the value of k in $42_k = 26_{\text{ten}}$. *(03 marks)*

25. Paul went to the shop and bought the following items;
3 litres of milk at sh.2000 each litre.

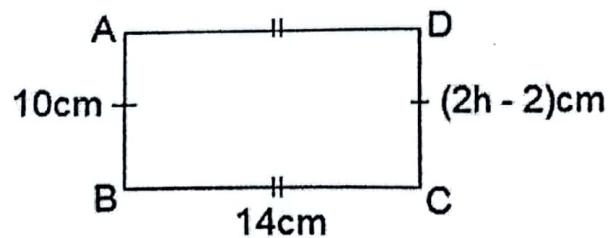
$2\frac{1}{2}$ kg of rice at sh.4,000 per kg.

2 loaves of bread at sh.4,500 each.

a) Calculate his total expenditure. *(04 marks)*

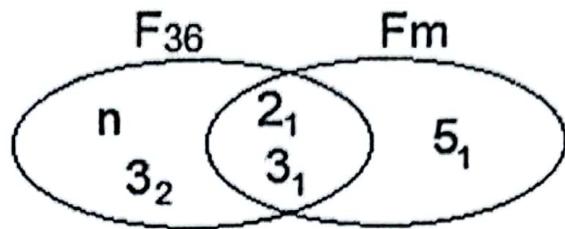
b) Work out his change if he went with 3-ten thousand shilling notes
(01 mark)

26. Below is a rectangle. Use it to answer questions about it.



- a) Find the value of h *(02 marks)*
- b) Calculate the area of the figure. *(02 marks)*
- c) Work out the perimeter of the figure. *(02 marks)*

27. Use the factor set below to answer questions about it.



Find the value of:

- a) m *(02 marks)*
- b) n *(02 marks)*
- c) Find the LCM of F_{36} and F_m . *(02 marks)*

28.a) Simplify: $\frac{1}{2} - \frac{1}{3} + \frac{1}{4}$ *(02 marks)*

b) Work out: $\frac{0.18 \times 0.15}{0.5 \times 0.6}$ *(03 marks)*

29. A car left Masaka at 3:00pm and reached Kampala at 5:00 pm.

a) How long did the journey take? *(02 marks)*

- b) If the car was moving at 65km/hr, calculate the distance between
Masaka and Kampala. *(02 marks)*

30. The table below shows marks scored by pupils in a test.

Marks	70	k	80	90
Number of pupils	2	4	3	1

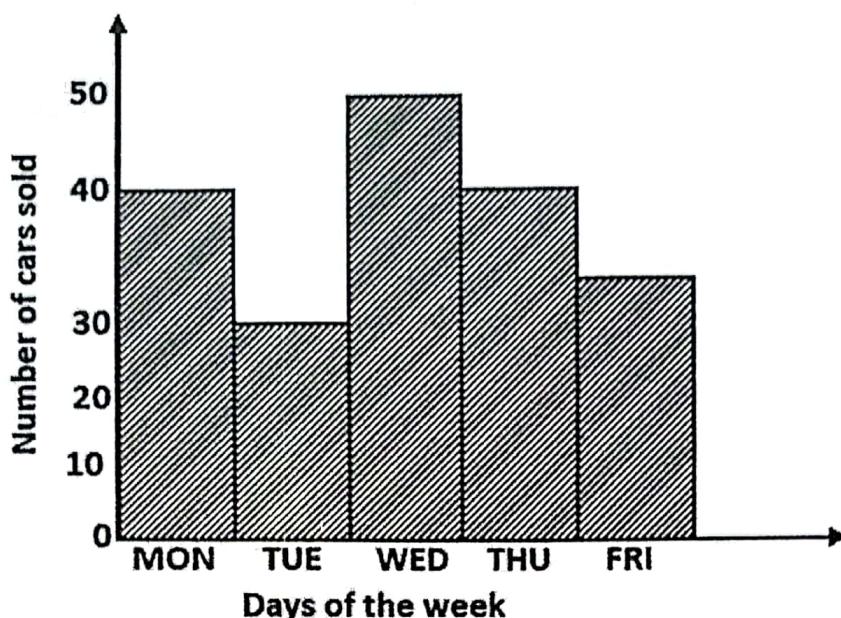
- a) How many pupils did the test? *(02 marks)*

- b) Find the value of k if the mean mark is 67. *(02 marks)*

31.a) using a ruler, a pair of compasses and a pencil only, construct a rectangle PQRS where $PQ = 10\text{cm}$, $PS = 6\text{cm}$. *(04 marks)*

b) Measure angle QPR *(01mark)*

32. The graph below shows the number of cars sold by Tata Uganda in a week.



- a) On which day was the lowest number of cars sold? **(01 mark)**
- b) Find the range of the cars sold. **(02 marks)**
- c) Calculate the average number of cars sold in a week. **(02 marks)**

END